



Agromet Advisory Bulletin for Ernakulam District

(Valid from 19.8.2022 to 23.8.2022)

Prepared by the Department of Agricultural Meteorology, Kerala Agricultural University, COA, Vellanikkara
based on the medium range weather forecast of India Meteorological Department (IMD), New Delhi

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A. Medium range weather forecast of IMD for next five days

Weather parameters	19.08.2022	20.08.2022	21.08.2022	22.08.2022	23.08.2022
Rainfall (mm)	0.2	0.1	1	2	1
Maximum temperature (°C)	31	31	31	31	30
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	93	93	93	93	93
Minimum Relative Humidity (%)	74	74	74	74	74
Wind speed (kmph)	6	5	5	3	2
Wind direction (deg)	270	290	270	290	270
Total cloud cover (octa)	7	7	8	8	8

RAINFALL FORECAST FOR NEXT FIVE DAYS

2022 August 19	2022 August 20	2022 August 21	2022 August 22	2022 August 23
Very Light rain	Very Light rain	Very Light rain	Very Light rain	Very Light rain

Weather summary / Alert: Very Light rainfall is expected in the district. Below normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

C. General and Agrometeorological Advisories for (RRS Vyttila)

Since rainfall is reduced, crop protection measures such as application of fertilizers and pesticides can be adopted for the crops. Copra and arecanut can be sun dried.

Crop	Pest/ Disease	Crop/ Animal Advisory
Paddy (virippu) Tillering stage	Management	In order to reduce the micronutrient deficiency in paddy, spray 10 grams of sampoorna mixture of paddy in one liter of water. Sampoorna mixture of paddy is available at the Kerala Agricultural University and it contains micro nutrients like magnesium, sulphur, boron, zinc, copper, iron, manganese and molybdenum. Fertilizers like 20 kg of urea and 10 to 12 kg of potash per acre can be applied for short duration and medium duration varieties.
Paddy (Pokkali)	Purple moorhen	Strategies to manage purple moorhen are very essential in pokkali ecosystem like using nets, reflective ribbons (red and silver) or by erecting rope grids over the canopy.
Vegetables (in nursery)	Thrips	Spray <i>Leccanicilium (Vericilium)</i> 20 g in a litre of water during initial stages of infestation. In infected seedlings, Thiachloprid 21.7 SC 4.5 ml in 10 litre of water can be sprayed.

Fisheries management- Fresh water fish Pangasius (Malasian vala or Assam vala) can be stocked @ 500 numbers/cent in a pond, as they have the ability to capture oxygen from pond surface.